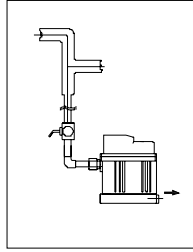
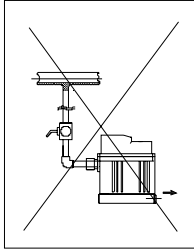
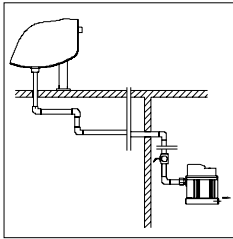
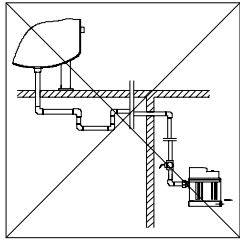


Pipe Line:



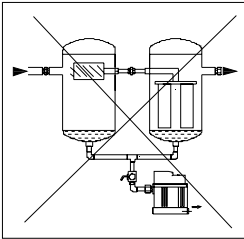
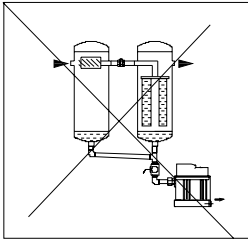
Install a Drop Leg for draining the water in the Pipeline

Receivers at the Top

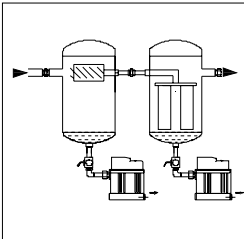
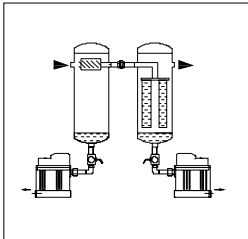


Continuous Downward Slope - No U bend is allowed

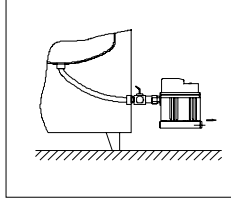
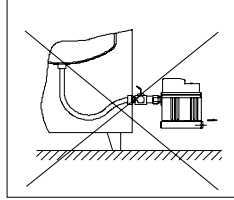
Filters:



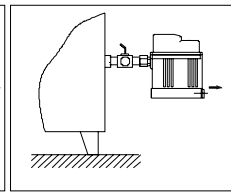
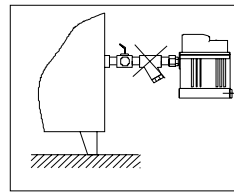
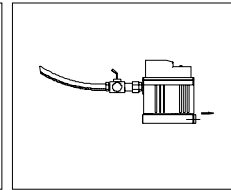
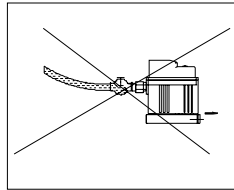
1. Never Combine Two Filters for draining
2. Install Separate Drain Valves



Connecting By Hose:



Continuous Downward Slope - No U bend is allowed



- Only Ball Valves should be used, No needle valve used
- No Strainers in front of the valves

STANDARD LIMITED WARRANTY

Products of Trident Pneumatics Pvt Ltd are warranted for a period of 1 year from the date of supply to be free from defects in material and workmanship and operated in accordance to the instructions outlined in the installation manual.

Trident Pneumatics Obligation under the warranty shall be limited to repair or replace (at the discretion of Trident). Please send material freight paid to the dealer from whom purchased, with a copy of Purchase Invoice.

Trident Pneumatics Pvt. Ltd.,

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Ph : +91 422 2400492, Fax: +91 422 2401376,

Email : sales@tridentpneumatics.com

Website : www.tridentpneumatics.com



LDV 1000



LDV 2000

Level Sensing Drain Valves

Installation & Service Instructions

WARNING

1. Valve discharges under pressure, stay away from flow path.
2. Install and Remove only when depressurized and electrically disconnected.

MODEL : LDV 1000 & 2000

To ensure proper performance of your Trident Level Sensing Drain Valve, proper selection is needed. Please verify your model before reading this manual.

PRINCIPLE OF OPERATION:

Level Sensing Drain Valves are designed for installation on equipment requiring draining of accumulated fluids of compressed air. The valves are opened based on condensate level in the valve, once the water level reaches upper level, the sensor senses the condensate and energizes the outlet solenoid valve, the moment the condensate reaches lower level it de-energize the outlet solenoid valve ensuring no loss of compressed air. A Bi-color LED Indicator glows RED when energized and GREEN when draining.

INSTALLATION PROCEDURE:

- 1. Ensure pressure & voltage are as specified in the valve.
- 2. Prior to installing, close all pressure lines to vessel and blow down the solid particles inside.
- 3. Install a manual shut off valve on drain line before the LDV. This will enable to remove drain valve without interrupting compressed air system.
- 4. Install valve as per the installation drawing shown below. Before installing apply proper thread sealant.
- 5. Connect to the electrical source as per the specification through a fused outlet.
- 6. Open shut off valve and switch ON power supply to operate the Drain valve.

MAINTENANCE:

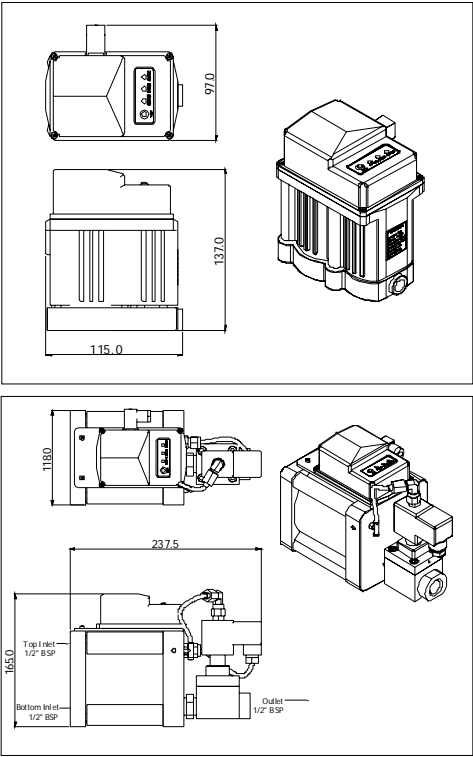
- Check the Drain function Daily.
- Check the Valve function by pressing Test Button at least weekly once.
- Replace O-rings and seals every 3 Years

SPECIFICATION LDV 1000:

Inlet	: ½" BSP (F)
Outlet	: ¼" Hose Barb
Pressure	: 2 to 10 bar g
Capacity	: 250 scfm (Max.)
Operating Ambient	: 3 - 70°C, 0 - 100% RH
Electrical Connection	: DIN 43650 Micro
Overall Dimension	: 115 x 97 x 137

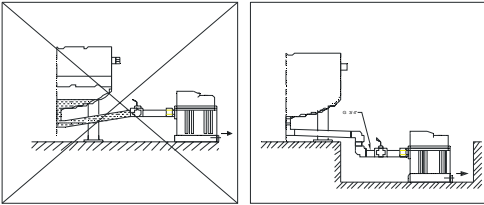
SPECIFICATION LDV 2000:

Inlet	: ½" BSP (F)
Outlet	: ½" BSP (F)
Pressure	: 2 to 16 bar g
Capacity	: 1000 scfm (Max.)
Operating Ambient	: 3 - 70°C, 0 - 100% RH
Electrical Connection	: DIN 43650 Micro
Overall Dimension	: 237 x 118 x 165



Recommended Installation LDV1000 & 2000:

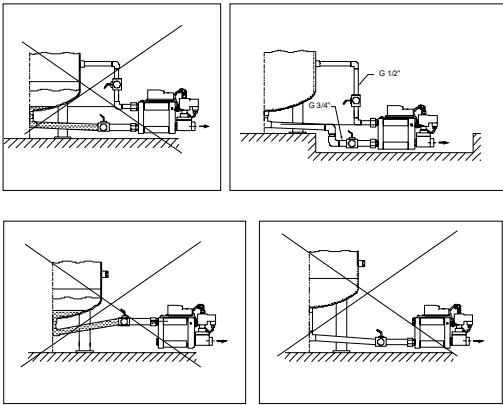
Receiver Installation LDV 1000:



The Drain Valve should be well below the Receiver Dish End

- 1. Continuous Downward Slope for Inlet
- 2. Pressure Balance for Bottom Inlet

Receiver Installation LDV 2000:



The Pressure Balance Line should be minimum ¼", Max. ½" Pipe sizes